

Message Text

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UNCLAS LUSAKA 0468

ATTENTION: MAJOR EXPORT PROJECTS DIVISION

E.O. 11652: N/A

SUBJECT: MAJOR EXPORT PROJECT

REF: LUSAKA 0460

1. FEASIBILITY STUDY TERMS OF REFERENCE FOR CTC SUPERVISORY
EQUIPMENT REPLACEMENT PROJECT REF: CSTE/S/001 AS FOLLOWS:
A, FEASIBILITY OF CENTRALIZED CONTROL SYSTEM OPERATING FROM
RAILWAYS HEADQUARTERS AT KABWE, CONSIDERING MAINTENANCE PROBLEMS
AND STANDBY ARRANGEMENTS IN CASE OF LINE OR EQUIPMENT FAILURE,
?, PREPARATION OF DETAILED TECHNICAL SPECIFICATIONS FOR MOST
SUITABLE TYPE OF ELECTRONIC EQUIPMENT AND CONTROL CENTER LAYOUT,
TAKING INTO ACCOUNT LOCAL OPERATIONAL NEEDSN CLIMATIC CONDITIONS,
TECHNICAL PERSONNEL AND POSSIBLE ELECTRIFICATION,
C, DETAILED ANALYSIS AND RECOMMENDATIONS ON BEST MODE OF DATA
TRANSMISSION, E.G. CARRIER LINKS ON OVERHEAD LINES AND
CABLE, MICROWAVE LINKS ETC.
\$, PROVISION OF TRAIN DESCRIBER EQUIPMENT TOGETHER WITH REPLACEMENT
OF CTC SYSTEM,
3, DETAILED PLAN OF SCHEDULING OF INSTALLATION WORK WITH SPECIFIC
METHODS OF MINIMUM INTERRUPTION TO TRAIN WORKING DURING
CONSTRUCTION PERIOD,
*, ADDITIONS AND IMPROVEMENTS IN TELECOMMUNICATION FACILITIES FOR
PURPOSE OF TRAIN OPERATION,
G, DETAILED RECOMMENDATION ON MAINTENANCE FACILITIES KEEPING
IN VIEW LEVEL OF TECHNICAL SKILL AVAILABLE,
H, PROGRAM FOR TRAINING OF TECHNICAL STAFF TO MAINTAIN EQUIPMENT,
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I, PREPARATION OF DETAILED ESTIMATES OF COSTS INVOLVED, SEPARATED

IN LOCAL AND FOREIGN (U.S. DOLLARS) CURRENCY, PHASED OVER
CONSTRUCTION PERIOD. PARTICULAR ATTENTION TO USE OF INDIGENOUS
MATERIAL AND LABOR, AND
J, RECOMMENDATIONS IN RELATION TO FINANCING OF PROJECT. THIS IS
PARTICULARLY IMPORTANT PART OF THE FEASIBILITY STUDY.

2. EXISTING CTC SYSTEM ON ZAMBIA RAILWAYS HAS 79 CROSSING LOOPS
(CLASSIFIED AS STATIONS ON THIS RAILWAY) BETWEEN
KITWE AN
LIVINGSTONE, WHICH ARE CONTROLLED BY FOUR
INDEPENDENT PANELS LOCATED AT NDOLA, KABWE, MONZE, AND
LIVINGSTONE.

3. PRESENT EQUIPMENT WAS MANUFACTURED AND INSTALLED DURING
EARLY 1960'S BY THE THEN MV-GRS SIGNAL CO. LTD., UKQ, ACCORDING
TO DESIGN (TYPE H, CLASS M) BY GENERAL RAILWAY SIGNAL CO. LTD.,
ROCHESTER, NEW YORK, U.S.A.
WPLKOWSKI

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